**Kira Macarthur, Homeschool-Menai, *Plant eHealth***

Kira has created a digital camera system which can analyse the amount of photosynthesis in the leaves of a plant. With the addition of a blue filter, the camera has been modified to absorb the near infrared light spectrum to take photos of plants. In conjunction with modified NDVI calculations, Plant eHealth enables the successful quantifying of the plant’s health. Kira has also developed a website whereby a close-up photo of a plant can be uploaded and the health of the plant can be determined.